

TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture
Interior Design

Course Information

NATURAL AND ARTIFICIAL LIGHTING					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ICM351	Fall	3	0	3	4

Prerequisites and co-requisites	none
Language of instruction	Turkish
Type	Required
Level of Course	Bachelor's
Lecturer	Dr. Öğr. Üyesi Halil Fikret OKUTUCU
Mode of Delivery	Face to Face
Suggested Subject	none
Professional practise (internship)	None
Objectives of the Course	Study of natural and artificial lighting forms together with spatial use and examination of design examples related to the formation of lighting designs in interior design.
Contents of the Course	Light colors, basic terms and concepts, cold and hot light sources, light sources, light sources, visual quality, interior and exterior artificial lighting methods, light colors, basic terms and concepts, the effects of artificial lighting on the colors and effects on human psychology, the selection of lighting elements according to types of space and action, the improvements in lighting technology, the control of artificial lighting systems, the examination of technical information and application examples, and the sustainability in lighting design is the content of the course.

Learning Outcomes of Course

#	Learning Outcomes
1	Learning basic vision and lighting levels
2	Evaluation of light and color relation through examples
3	On-site inspection of natural and artificial lighting samples
4	Evaluation of the effects of natural and artificial lighting types on human psychology
5	following latest developments in lighting technology
6	technical knowledge on artificial lighting

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Content summary, introduction	
2	Eye structure and vision	
3	Basic light terms, lighting levels	
4	Light and color relation, effects on human	
5	Lighting types and methods	
6	Lighting elements: selection and placement	
7	Technical trip: Mersin Archeology Museum, Homework: Analysis of museum illumination	

8	Midterm	
9	Submission of homework, presentation of museum analysis	
10	Use of Illumination Control Systems in Hospitals	
11	Implementation of Four Corner Methods for Store Lighting Design in Different Typologies	
12	Examination of the Relationship Between Natural and Artificial Lighting Forms and Visitor Experience in Exhibition Areas	
13	Lighting Design Laboratory Homework: Design Project Lighting Design (Poster and Lighting Plan)	
14	Homework delivery, panel critical	
15	Preparation week for final exam	
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
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Method of Assessment

#	Weight	Work Type	Work Title
1	30%	Homework	Homework
2	20%	Mid-Term Exam	Mid-Term Exam
3	50%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Learning basic vision and lighting levels	3	
2	Evaluation of light and color relation through examples	6	
3	On-site inspection of natural and artificial lighting samples	8	
4	Evaluation of the effects of natural and artificial lighting types on human psychology	10	
5	following latest developments in lighting technology	13	
6	technical knowledge on artificial lighting	3	

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	9	9
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	2	10	20
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0

13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	5	5
16	Final Exam	1	1	1
				120